

# Work Elements and Metrics

Work Category	WE ID	Work Element Name	Work Element Description	Metric No	Metric Description
BPA Internal Operations	1	BPA Environmental Compliance - External	Covers any work contracted out by KEC, the Environmental Compliance arm of BPA.	1.0	(no metrics prescribed for FY05)
	2	BPA Environmental Compliance - Internal	Covers any work completed internally by KEC, the Environmental Compliance arm of BPA.	2.0	(no metrics prescribed for FY05)
	3	Computer Purchase	Covers any direct purchase of computers external to a contract.	3.0	(no metrics prescribed for FY05)
	4	Land Audit	Covers the hazardous material/Phase 1 work done by Fred Walasavage's group usually in support of land acquisitions.	4.0	(no metrics prescribed for FY05)
	5	Land Purchase	Covers the direct wiring of money to escrow associated with real estate transactions.	5.0	(no metrics prescribed for FY05)
	6	TBL Work	Any work the Transmission Business Line provides in support of a Fish and Wildlife project. May include appraisal review, appraisals, help in development of an MOA, real estate negotiations, and GIS work.	6.0	(no metrics prescribed for FY05)
Environmental Compliance	10	Conduct Hazardous Materials Survey	Any work done by a contractor related to hazardous material land audits or Phase 1 review.	10.0	(no metrics prescribed for FY05)
	11	Obtain Cultural Resource Compliance	Any archeological work done by a contractor related to cultural resource surveys. May include either on the ground or literature surveys. Currently does not include work contracted out through KEC.	11.0	(no metrics prescribed for FY05)
	12	Obtain ESA Compliance	Refers to work done by the contractor in support of complying with ESA regulations developed by NOAAF. NOAAF regulations cover threatened and endangered Anadromous fish. Covers both use of the programmatic HIP BO and the approach of developing an individual BA.	12.0	(no metrics prescribed for FY05)

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	14	Obtain Permits	Covers any work done by the contractor related to obtaining state, local, and federal permits.	14.0	(no metrics prescribed for FY05)
	15	Prepare NEPA Checklist	Covers all of the contractor's work in support of the completion of the NEPA checklist.	15.0	(no metrics prescribed for FY05)
<b>Habitat / Passage O&amp;M</b>					
	16	Law Enforcement		16.0	(no metrics needed beyond the deliverables/reports specified by contract)
	18	Maintain Terrestrial Structure		18.0	(no metrics needed beyond the deliverables/reports specified by contract)
	19	Maintain Instream Structure		19.0	(no metrics needed beyond the deliverables/reports specified by contract)
	22	Maintain Vegetation	The upkeep of vegetation that may include the application of herbicides, mowing, watering, predator exclusion, etc. Does not include fencing (see WE: Install Fence). This work element may have some overlap with remove vegetation.	22.0	(no metrics needed beyond the deliverables/reports specified by contract)
	24	Operate Facility		24.0	(no metrics needed beyond the deliverables/reports specified by contract)
	26	Investigate Trespassing	Use this work element to cover the effort involved in establishing what, if any, trespassing is occurring (human or wildlife). Use the corresponding WE for the actions taken to prevent trespassing (e.g., Install Fence). This does not include actions such as law enforcement.	26.0	(no metrics needed beyond the deliverables/reports specified by contract)
	27	Remove Debris	Any work to remove items from a stream or land that are undesirable, such as trash, etc. Does not include the removal of a diversion.	27.0	(no metrics needed beyond the deliverables/reports specified by contract)
	28	Trap and Haul	Work to capture fish and transport for the purposes of assisting migration.	28.1	# of fish

**Habitat Improvement**

<i>Work Category</i>	<i>WE ID</i>	<i>Work Element Name</i>	<i>Work Element Description</i>	<i>Metric No</i>	<i>Metric Description</i>
	29	Add Roughness/LWD	Work that adds natural materials in-stream to create habitat features or to improve channel morphology. Includes J-hooks, barbs, vortex weirs, and LWD. Can include work to stabilize or maintain a streambank, such as riprap. If structures are being added primarily to overcome a fish passage barrier, use work element # 81	29.1	# of stream miles treated (0.01 mi.).
				29.2	# of structures installed
				29.3	Start and end lat/long of treated reach (0.1")
	30	Realign Channel	Any active attempt to directly add sinuosity, meanders, or otherwise to return stream channel to a natural state. Involves excavation of stream channel. If work is solely to add features that change hydraulic conditions that may eventually cause channel realignment, then use work element # 29	30.1	# of stream miles treated before realignment (0.01 mi.)
				30.2	# of stream miles treated, including off-channels, after realignment (0.01 mi.).
				30.3	Start and end lat/long of treated reach (0.1")
	31	Conduct Controlled Burn	Use of fire to improve habitat.	31.0	(no metrics needed beyond the deliverables/reports specified by contract)
	33	Decommission Road	Covers any work to make a road unusable, such as a berm or removal of the road altogether	33.1	Type of decommissioning (B/S/R): Blocked Scarified/Ripped Recontoured
				33.2	# of road miles decommissioned (0.01 mi.).
				33.3	Start and end lat/long of each treated road segment (0.1")
	34	Develop Alternative Water Source	Includes watering troughs, spring development...	34.0	(no metrics needed beyond the deliverables/reports specified by contract)
	35	Develop Pond	Build a pond, most frequently for the purpose of benefiting resident fish.	35.0	(no metrics needed beyond the deliverables/reports specified by contract)
	36	Develop Terrestrial Habitat Features	Install nesting boxes, snags, guzzlers, etc.	36.1	# of features by type (list)
	37	Excavate Spawning Channel	Most often associated with Chum Salmon, is work to improve a channel by digging, dredging, etc. May or may not be a channel was used historically. May also include work to add material conducive to spawning activities.	37.0	(no metrics needed beyond the deliverables/reports specified by contract)
	38	Improve Road	Work to correct road conditions that impact stream quality		

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	39	Install Cattle Guard	Work to install various types of cattle guards. This activity may include the project design. Or, project design for fencing may be in the xyz work element, if the project is extremely large.	38.1	# of road miles improved, upgraded, or restored.
	40	Install Fence	Work to install various types of fence and/or gates. This activity may include the project design. Or, if the project is extremely large, then design of the fencing may be in another work element. Can also include water gaps for livestock access. If the fence were for a riparian enclosure, then the protection metrics are covered under the work element by which the land rights were legally secured (i.e., #92, #96, or #97)	39.0	(no metrics needed beyond the deliverables/reports specified by contract)
	42	Install Tidegate	Usually refers to the installation of a modified tidegate. Could either be replacement of a pre-existing tidegate or the installation of a new one. It is anticipated that project design work will be captured in a separate work element, due to the magnitude of the design task. Use "Remove/Breach Dike" if the tidegate is only temporary. O+M is usually required but is often not paid for by BPA.	40.1	# mi. of fence (0.01 mi.)
	43	Install Water Control Structure	Usually refers to the creation of a wetland. Often requires O+M once the structure is in place, which may or may not be paid for by BPA.	42.1	# acres of new marsh/wetland created (0.1 ac.)
	44	Nutrient Enhancement	May involve the addition of either carcasses or direct nutrient introduction via a fertilizer.	42.2	# of miles of stream/slough habitat accessed (0.1 mi.)
	45	Nutrient Reduction	Usually designed to reduce algal blooms.	43.1	# of acres of wetland created/enhanced (0.1 ac.).
	47	Plant Vegetation	Install plants for the purposes of either erosion control or shading. May be riparian or upland in nature. Often requires O+M.	44.0	(no metrics needed beyond the deliverables/reports specified by contract)
	48	Practice No-till Seeding (BMP)	Includes no-till or direct seed for any agricultural programs designed to reduce erosion or sedimentation.	45.0	(no metrics needed beyond the deliverables/reports specified by contract)
	49	Reconnect Channel	Usually involves removal of material in order to re-connect channels to historical configuration.	47.1	# of acres of vegetation planted (0.1 ac.).
				47.2	# of riparian miles treated (0.01 mi.; count each bank separately).
				48.1	# of acres treated (0.1 ac).

<i>Work Category</i>	<i>WE ID</i>	<i>Work Element Name</i>	<i>Work Element Description</i>	<i>Metric No</i>	<i>Metric Description</i>
<b>Hatchery O&amp;M</b>	<i>50</i>	Remove / Breach Dike	Any operation to remove part or all of a dike. Also may include the installation of a cross-dike.	49.1	# of channel miles reconnected (0.01 mi.)
				50.1	# of acres opened/created/restored (0.1 ac.).
				50.2	# of miles of habitat accessed (0.01 mi.).
	<i>51</i>	Remove Animals	Work to remove an undesirable animal species for an area. Is often work to remove exotic species of fish. May be work to remove undesirable native species of animal.	51.0	(no metrics needed beyond the deliverables/reports specified by contract)
	<i>52</i>	Remove Mine Tailings	Work to remove remnant landscape effects from old mining operations. Could be terrestrial or aquatic in nature.	52.1	# acres treated
	<i>53</i>	Remove vegetation	Work to remove an undesirable plant species for an area. Is often work to remove exotic or non-native species of plants. May also be work to remove undesirable native plant species.	53.1	# of acres treated (0.1 ac.)
	<i>55</i>	Upland Erosion and Sedimentation Control		55.1	# of acres treated (0.1 ac.) by type.
	<i>56</i>	Acclimate Juvenile Fish	Describes work only to accumulate fish. If your work includes fish-producing activities other than accumulation, use "Produce Fish".	56.1	Purpose of production prog. (S/H/R): Supplementation Harvest Augmentation Research
				56.2	# fish released
	<i>57</i>	Develop Hatchery Annual Operations Plan	Describes work to develop a hatchery operations plan.	57.0	(none)
	<i>58</i>	Develop HGMP	Hatchery Genetic Management Plan. Is required by Council for all production projects.	58.1	Flag/tally # completed HGMPs.
	<i>59</i>	Incubate Eggs	Describes work only to incubate eggs. If work includes fish-producing activities other than incubation, use work element # 63, "Rear Fish."	59.1	Purpose of production program (see 56.1)
				59.2	# eggs into program
				59.3	# fry (button-up) produced
	<i>60</i>	Maintain Fish Health / Conduct Pathology Sampling	See Peter.		

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				60.0	(none)
	61	Maintain Hatchery	Includes all maintainance activities associated with a hatchery including buildings, grounds, raceways, water treatment, equipment, vehicles, etc. This work element isintended to include all things not specifically related to fish. For example, work to produce fish would be under "Produce Fish" or "Incubate Eggs". Maintain hatchery can also be used for efforts such as accumulation ponds, net pens, etc. that are not full-fledged hatcheries, but are part of the process.		
				61.0	(none)
	63	Rear Fish		63.1	Purpose of production program (see 56.1)
				63.2	# fish into program, by life stage
				63.3	# fish out of program, by life stage
	64	Spawn Fish		64.1	Purpose of production program (see 56.1)
				64.2	# fish by sex (M,F,J), origin (ad-clip/non-clip), and age
	65	Transport Fish		65.1	Purpose of production program (see 56.1)
				65.2	# fish
	66	Trap/Collect/Hold Fish - Hatchery		66.1	Purpose of production program (see 56.1)
				66.2	# fish by origin (ad-clip/non-clip)
<b>In-stream Passage Improvement</b>					
	67	Install Bridge	Work to install a bridge often for the purpose of improved passage and/or flow. Can be associated with removing a dike, or part of a fencing project to route cattle. For a bridge, the design is typically called out in a separate work element when it is of a large magnitude. See "Prepare Implementation Design and Budget".		
				67.1	Does the bridge remove a fish passage barrier? (Y/N)
				67.2	If Y, # of miles of habitat accessed (0.1 mi.).
				67.3	If Y, was barrier Full or Partial? (F/P)

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	68	Install Culvert	Work to install or replace a culvert often for the purpose of improved passage and/or flow. In the event multiple culverts are used at the same location or passage obstacle, the work should be covered under a single work element. Multiple culverts in diefferernt locations should use separate work elements. For a culvert, the design is typically called out in a separate work element when it is of a large magnitude. See "Prepare Implementation Design and Budget".		68.1 Does the culvert remove a fish passage barrier? (Y/N) 68.2 If Y, # of miles of habitat accessed (0.1 mi.). 68.3 If Y, was barrier Full or Partial? (F/P)
	69	Install Diversion Fish Screen	Work to install or replace a fish screen associated with a diversion. Often of a large scale, screens of this type usually require an active cleaning device. For work to screen a pump, use "Install Pump Screen".		69.1 Is the screen New or a Replacement? (N/R) 69.2 Does the screen meet NOAA/FSOC specs? (Y/N) 69.3 Flow rate at the screen diversion allowed by the water right. (0.1 cfs) 69.4 Quantity of water protected by screening, as determined by what is stated in the water right or calculated based on flow rate. (0.1
	70	Install Fish Trap/Monitoring Weir	Installation of a weir, often with a trap, that is used to monitor fish passage or to collect juvenile or adult fish for biological sampling, trap and haul, hatchery broodstock, etc. This describes the installation of relatively permanent traps, as well as the purchase and deployment of relatively mobile traps like rotary screw smolt traps.		70.0 (no metrics needed beyond the deliverables/reports specified by contract)
	72	Install Headgate			72.0 (no metrics needed beyond the deliverables/reports specified by contract)
	74	Install Infiltration Gallery			74.0 (no metrics needed beyond the deliverables/reports specified by contract)
	76	Install Jump Pools			76.1 # of miles of habitat accessed (0.1 mi.).
	77	Install Ladders			77.1 # of miles of habitat accessed (0.1 mi.).
	78	Install Pump			78.0 (no metrics needed beyond the deliverables/reports specified by contract)
	79	Install Pump Fish Screen			

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	80	Install Siphon	Work to install weir-like structures that are intended primarily to overcome a fish passage barrier (e.g., some vortex weirs). Use work element # 70 for weirs installed primarily to restrict fish passage for the purpose of monitoring or collecting fish (e.g., picket weirs).	79.1	Flow rate at the pump screen allowed by the water right (0.1 cfs).
				79.2	Quantity of water protected by screening, as determined by what is stated in the water right or calculated based on flow rate (0.1
				80.0	(no metrics needed beyond the deliverables/reports specified by contract)
	81	Install Weir		81.2	# of miles of habitat accessed (0.1 mi.).
				81.3	Was barrier Full or Partial? (F/P)
				82.1	(no metrics needed beyond the deliverables/reports specified by contract)
	82	Install Well		84.1	# of miles of habitat accessed (0.1 mi.).
				85.1	# of miles of habitat accessed (0.1 mi.).
				86.0	(no metrics needed beyond the deliverables/reports specified by contract)
	84	Remove Diversion		87.0	(no metrics needed beyond the deliverables/reports specified by contract)
Land Acquisition / Conservation Easement					
				88.0	(no metrics needed beyond the deliverables/reports specified by contract)
85	Remove/Modify Dam	89.0	(no metrics needed beyond the deliverables/reports specified by contract)		
86	Water Exchange				
	87	Conduct HEP			
	88	Conduct Land Survey			
	89	Define Easement Terms and Conditions			
	90	Develop Capital Package			



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<b>Other</b>	91	Identify Minimum Habitat Units		91.0	(no metrics needed beyond the deliverables/reports specified by contract)
	92	Lease Land		92.1	# of acres of new lease. (0.1 ac.)
				92.2	# of acres of renewed lease (0.1 ac.).
				92.3	Start and end dates of lease (mm/dd/yyyy).
				92.4	# of riparian miles protected (0.01 mi.).
	93	Perform Appraisal		93.0	(no metrics needed beyond the deliverables/reports specified by contract)
	94	Perform Title Search		94.0	(no metrics needed beyond the deliverables/reports specified by contract)
	95	Provide Legal Description		95.0	(no metrics needed beyond the deliverables/reports specified by contract)
	96	Purchase Easement		96.1	# of acres of new easement (0.1 ac.).
				96.2	# of acres of renewed easement (0.1 ac.).
				96.3	Start and end dates of easement (mm/dd/yyyy).
				96.4	# of riparian miles protected (0.01 mi.).
	97	Purchase Fee Title Land		97.1	# of acres of new purchase (0.1 ac.).
				97.2	Start date of the purchase (mm/dd/yyyy).
				97.3	# of riparian miles protected (0.01 mi.).
	98	Other		98.0	(no metrics needed beyond the deliverables/reports specified by contract)
<b>Planning and Coordination</b>					
	99	Conduct Community Outreach			

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				99.1	# of people reached in each of 3 classes (T/S/G): Teachers Students General public
	100	Construction Management	Oversight of construction activities. Usually only used on larger construction activities where the construction and construction management are split out. Also includes bidding the work, supporting land negotiations, .... What else?	100.0	(no metrics needed beyond the deliverables/reports specified by contract)
	101	Create Facility Operation Manual	The development of a manual to support the O and M of a facility post-construction.	101.0	(no metrics needed beyond the deliverables/reports specified by contract)
	102	Develop Action Plan	Usually a large, regionally coordinated plan focused on a specific type of activity in a specific area such as habitat restoration in the estuary. Often in association with the FCRPS Biological Opinion.	102.0	(no metrics needed beyond the deliverables/reports specified by contract)
	103	Develop Annual Maintenance Plan (Facilities / Grounds)		103.0	(no metrics needed beyond the deliverables/reports specified by contract)
	104	Develop Bid Package		104.0	(no metrics needed beyond the deliverables/reports specified by contract)
	105	Develop Construction Plan		105.0	(no metrics needed beyond the deliverables/reports specified by contract)
	106	Develop Fish Passage Operations Plan	A plan developed to coordinate the operation of multiple passage facilities often operated by multiple parties.	106.0	(no metrics needed beyond the deliverables/reports specified by contract)
	107	Develop Implementation Plan		107.0	(no metrics needed beyond the deliverables/reports specified by contract)
	108	Develop Management Plan	Covers the development of Wildlife Management Plans, Land -use Management Plans, ...	108.0	(no metrics needed beyond the deliverables/reports specified by contract)
	109	Develop MOA	Memorandum of Agreement - often associated with land acquisitions, construction easements.	109.0	(no metrics needed beyond the deliverables/reports specified by contract)
	110	Develop Monitoring and Evaluation Plan		110.0	(no metrics needed beyond the deliverables/reports specified by contract)
	111	Develop Recovery Plan			

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				111.0	(no metrics needed beyond the deliverables/reports specified by contract)
	112	Develop Subbasin Plan		112.0	(no metrics needed beyond the deliverables/reports specified by contract)
	113	Fund or sponsor Symposia / Workshop / Meeting		113.1	# of participants
	114	Identify and Select Projects	Covers work by the contractor to identify, prioritize, asses, and ultimately select projects. Often associated with Model Watersheds, or habitat restoration programs that coordinate multiple projects within a larger umbrella project.	114.0	(no metrics needed beyond the deliverables/reports specified by contract)
	115	Inventory/Assess Habitat Conditions		115.0	(no metrics needed beyond the deliverables/reports specified by contract)
	116	Inventory/Assess Passage Impediments		116.0	(no metrics needed beyond the deliverables/reports specified by contract)
	117	Inventory/Assess Watershed		117.0	(no metrics needed beyond the deliverables/reports specified by contract)
	118	Landowner Coordination		118.0	(no metrics needed beyond the deliverables/reports specified by contract)
	119	Manage Projects	Covers work by the contractor to manage on the ground efforts, or to manage subcontractors associated with the project.	119.0	(no metrics needed beyond the deliverables/reports specified by contract)
	120	Prepare Feasibility Study	Preliminary study to determine the feasibility of a project. Often at a more conceptual stage than - Prepare Implementation Design and Budget	120.0	(no metrics needed beyond the deliverables/reports specified by contract)
	121	Prepare Implementation Design and Budget		121.0	(no metrics needed beyond the deliverables/reports specified by contract)
	122	Provide Technical Review	The development of technical details, engineering plans, etc and their associated costs prior to implementation or construction. Usually used on larger construction or habitat restoration projects.	122.0	(no metrics needed beyond the deliverables/reports specified by contract)
	123	Regional Coordination			

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<b>Predator Control</b>				123.0	(no metrics needed beyond the deliverables/reports specified by contract)
	124	Administer Registration Sites		124.0	(no metrics needed beyond the deliverables/reports specified by contract)
	125	Coordinate Payments		125.0	(no metrics needed beyond the deliverables/reports specified by contract)
	126	Implement Removal Fisheries		126.0	(no metrics needed beyond the deliverables/reports specified by contract)
<b>Reporting</b>					
	128	Prepare / Submit Journal Article		128.1	Flag/tally # submitted.
	129	Prepare Annual Property Inventory Report		129.0	(no metrics needed beyond the deliverables/reports specified by contract)
	130	Prepare Final / Close-out Report		130.0	(no metrics needed beyond the deliverables/reports specified by contract)
	131	Prepare Financial Estimates		131.0	(no metrics needed beyond the deliverables/reports specified by contract)
	132	Produce Annual Report		132.0	(no metrics needed beyond the deliverables/reports specified by contract)
	133	Produce BiOp / Metrics Report		133.0	(no metrics needed beyond the deliverables/reports specified by contract)
	136	Produce Research/Evaluation Findings Report	These reports primarily present findings from analysis and evaluation, including program reviews. "Analysis" typically involves hypothesis testing and/or tests of statistical significance in differences across groups/treatments or time that directly support decisions regarding resource or program/project management. This contrasts with reports that primarily present raw and summary data (including means, variances, and trends), which are covered by work element # 132 (annual progress report) and/or #141 (other regular reports)		
				136.0	Flag/tally # of reports completed.
	139	Produce NEPA / ESA Report			

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				139.0	(no metrics needed beyond the deliverables/reports specified by contract)
	<i>141</i>	Produce Progress/Milestone Report	These include daily logs, monthly and quarterly reports, milestone reports, and any other regular reports of progress other than annual (see work element # 132)		
				141.0	(no metrics needed beyond the deliverables/reports specified by contract)
<b>RM &amp; E and Data Management</b>					
	<i>156</i>	Develop RM&E Methods and Designs	Work that develops and tests conceptual, quantitative, and technological tools for application in research, monitoring, and/or evaluation projects. Includes statistical and sampling designs, conceptual models, tagging and other equipment, software development, and generally any other work that prepares for the implementation of actual data collection/generation. Does not apply to producing an RM&E plan itself (reporting), although it does include the analyses required to write the plan. Also does not apply to models that are developed primarily to analyze and interpret existing data.		
	<i>157</i>	Collect/Generate Field and Lab Data	Work to collect, create, generate, or capture source data. Includes entering data into a computer spreadsheet/database, preparing metadata, and quality assurance/quality control processes. Also includes taking samples for later analysis (e.g., genetic and macroinvertebrate samples) and any preparations for collecting data if not covered by another work element. Also includes generating secondary/derived data when those data are stored in a database for access and use by other parties for analysis like primary data. Capturing data includes entering data into a computer from historical records, digitizing images, and other methods for converting information to digital format.	156.0	(No metrics specified for FY05; will defer to regional processes to develop consensus metrics.)
	<i>158</i>	Mark/Tag Animals	These are activities integral to placing marks/tags on animals. Recognizing that this is a subset of data collection/generation, it has been separated to facilitate tracking the sometimes-significant costs associated with fish marking/tagging. This work element includes capture and bio-sampling activities when they support a primary purpose of placing the mark/tag. It also includes monitoring the effects of the mark/tag on the animals (e.g., tagging mortality), the mark/tag retention/detectability, other QA/QC for the mark/tag data, and creation of associated metadata. It does not include capture activities when the primary purpose is to collect biological data and does not include subsequent mark/tag observations and analysis.	157.0	(No metrics specified for FY05; will defer to regional processes to develop consensus metrics.)
	<i>159</i>	Submit/Acquire Data	This work is for transferring data from one spreadsheet/database to another, typically from a field or lab site to a higher-level (e.g., regional or national) database. It includes both the act of sending and receiving, hardware/software needs for automated uploads/downloads, the development and application of data exchange protocols (including QA/QC), and any formatting and documentation required on the sending end to make the transfer. It does not include initial data entry or manipulating (e.g., reformatting) data at the receiving end. This work element explicitly reinforces the importance of transferring data to databases where they will be maintained and accessible, but does not anticipate that this activity will usually require significant effort or costs.	158.0	(No metrics specified for FY05; will defer to regional processes to develop consensus metrics.)
				159.0	(no metrics needed beyond the deliverables/reports specified by contract)

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	<i>160</i>	Manage/Maintain Database	Any work that maintains or improves the security, quality, accessibility, or utility of data in a structured database. Includes manipulation of the data to conform to data standards, database hardware/software maintenance and improvements, QA/QC, building and maintaining connectivity with interrelated applications (e.g., GIS, web portals), creation of metadata/documentation and user-support materials, archival, etc. This applies both to larger regional databases and to local databases (can include spreadsheets) maintained on desktops for individual projects. Does not include generation of data queries or reports.		
				160.0	(no metrics needed beyond the deliverables/reports specified by contract)
	<i>161</i>	Disseminate Data	All work that makes data available to users, including maps, data query systems, internet data distribution, and development of online data display tools. Also includes ad hoc data summaries and reports and regular data reports, except those covered directly by other reporting work elements.		
				161.0	(no metrics needed beyond the deliverables/reports specified by contract)
	<i>162</i>	Analyze/Interpret Data	These activities apply analytical tools to render meaning from data for making better management decisions. They go beyond data summaries. They often involve tests of statistical significance and may include modeling, indices, and synthesis. They typically culminate in resource management recommendations presented in a report of research/evaluation findings.		
				162.0	(No metrics specified for FY05; will defer to regional processes to develop consensus metrics.)
<b>Water Conservation</b>	<i>148</i>	Install Flow Measuring Device			
				148.1	Type of measuring device (F/P): Fixed   Portable
	<i>149</i>	Install Pipeline			
				149.0	(no metrics needed beyond the deliverables/reports specified by contract)
	<i>150</i>	Install Sprinkler			
				150.0	(no metrics needed beyond the deliverables/reports specified by contract)
	<i>151</i>	Line Diversion Ditch			
				151.0	(no metrics needed beyond the deliverables/reports specified by contract)
<b>Water Rights Acquisition / Lease</b>					
	<i>152</i>	Complete Water Entity Checklist			
				152.0	(no metrics needed beyond the deliverables/reports specified by contract)
	<i>153</i>	Lease Water Right			

<i>Work Category</i>	<i>WE ID</i>	<i>Work Element Name</i>	<i>Work Element Description</i>	<i>Metric No</i>	<i>Metric Description</i>
primary	153	Lease Water Right		153.1	Flow of water returned to the stream in as prescribed in the lease (0.1 cfs).
				153.2	Amount of water leased (0.1 acre-feet/year).
				153.3	Start and end dates of the returned flow. (mm/dd/yyyy)
				153.4	Season of the lease in start and end month. (mm)
				153.5	# of miles of primary stream reach improvement. (0.1 mi.)
				153.6	# of miles of total stream reach improvement. (0.1 mi.) Includes and secondary reaches.
primary	154	Negotiate Water Right Transaction		154.0	(no metrics needed beyond the deliverables/reports specified by contract)
	155	Purchase Water Right		155.1	Flow of water returned to the stream as prescribed in the acquisition (0.1 cfs).
				155.2	Amount of water secured (0.1 acre-feet/year).
				155.3	Start and end dates of the returned flow. (mm/dd/yyyy)
				155.4	Season of the purchase in start and end month. (mm)
				155.5	# of miles of primary stream reach improvement. (0.1 mi.)
155.6				# of miles of total stream reach improvement. (0.1 mi.) Includes and secondary reaches.	
primary	164	Transfer Conserved Water In Stream		164.1	Flow of water returned to the stream as prescribed in the acquisition (0.1 cfs).
				164.2	Amount of water secured (0.1 acre-feet/year).
				164.3	Start and end dates of the returned flow. (mm/dd/yyyy)
				164.4	Season of the lease in start and end month. (mm)
				164.5	# of miles of primary stream reach improvement. (0.1 mi.)
				164.6	# of miles of total stream reach improvement. (0.1 mi.) Includes and secondary reaches.